

**TOWN OF ARLINGTON
MASSACHUSETTS
PURCHASING DEPARTMENT**

INVITATION TO BID

BID NO. 20-04

Sealed bids, pursuant to the Uniform Procurement Act, Ch. 30B, are invited and will be received by the Town Manager, Town of Arlington, Massachusetts, until **10:00 A.M., Tuesday, February 4, 2020**, at the Office of the Purchasing Director, 730 Massachusetts Avenue, Arlington, Massachusetts, at which time and place they will be publicly opened and read for furnishing:

TYPE "C2" (71 PASSENGER) SCHOOL BUS

Proposals must be submitted on forms provided and in a sealed envelope.

Certificate of Non-Collusion form must be submitted with bids in order to be considered.

For further information please contact Domenic R. Lanzillotti, Purchasing Officer @ (781) 316-3003.

The Town Manager reserves the right to cancel any Invitation for Bid and/or to reject in whole or in part any and all bids, when it is deemed in the best interest of the Town to do so.

TOWN OF ARLINGTON

Adam W. Chapdelaine
Town Manager

January 16, 2020

Town of Arlington

**BID #20-04
PROPOSAL PAGE**

**Type “C2” (71 Passenger) School
Bus**

In the spaces provided below, please show your bid for one (1) each Type “C2” (71 Passenger) School Bus per attached specifications.

AWARD TO BE MADE ON THE TOTAL BID PRICE.

Vendor must state model bid and submit descriptive literature.

1. TYPE “C2” (71 PASSENGER) SCHOOL BUS \$ _____

MODEL: _____

Signature _____

Company _____

Business Address: _____

Telephone _____ Fax _____

Email _____

Date _____

CERTIFICATE OF NON-COLLUSION

The undersigned certifies under penalties of perjury that this bid or proposal has been made and submitted in good faith and without collusion or fraud with any other person. As used in this certification, the word "person" shall mean any natural person, business, partnership, corporation, union, committee, club or other organization, entity, or group of individuals.

(Signature of individual submitting bid or proposal)

(Name of individual submitting bid or proposal)

Name of Business

Date

Pursuant to M.G.L. Chapter 62C, Section 49A, I certify under the penalties of perjury that I have complied with all laws of the commonwealth relating to taxes, reporting of employees and contractors, and withholding and remitting child support.

Social Security Number or
Federal Identification Number

Signature of Individual or Responsible
Corporate Officer and Title

**NON-COLLUSION FORMS
MUST BE SIGNED AND
SUBMITTED WITH BID**

Bid Specifications and Requirements
Type “C2” (71 Passenger) School Bus
Current Year Model

Whenever, in these bid specifications, any equipment or materials described by the use of a proprietary product, or by using the name of a specific manufacturer or vendor, the term “approved or equal” if not stated will be implied.

School Bus shall be equipped with a Motorola two way radio provided, serviced and installed by the current contract bidder to the Town of Arlington. Current contractor C & G Radio, Waltham Mass. (781) 230-9700

The total contract price should include body and chassis completely assembled, including all specified equipment and accessories contained in this bid ready for turn-key operation.

The selling dealer must be the authorized warranty repair facility for 100% of the bus at their location. This is to include the entire body and chassis including Cummins engine and Allison transmission. The repair facility must be within a forty (40) mile radius of 869 Mass Ave Arlington, Ma.

The vehicles shall be lettered on both the appropriate left and right center panels to read: “ARLINGTON PUBLIC SCHOOLS” and also identified on the front, rear and roof panels with the number “117”. Also all other body decals included shall comply with current Massachusetts State regulations.

All equipment and accessories must comply with all Federal and Massachusetts State laws governing motor vehicles and school bus regulations at the time of delivery.

Bid Specifications/Bid Specification Exception Sheet

71 Passenger Size - Type C School Bus Specifications

Chassis to be a new 2021 model as described in these specifications. Minimum specifications are listed below and each bidder must state to the right of the listed specifications the compliance details that pertain to the unit bid indicating size, quality, range and information as necessary to determine unit quality. Bidders' specifications **must meet** or exceed minimum specifications and must be listed in detail to be considered to be qualified bidder. All Chassis specifications shall meet or exceed those specifications as set forth by the Massachusetts Department of Transportation, Federal Department of Transportation and the Massachusetts Minimum Safety Standards for Construction of School Buses in effect at time of manufacture.

The dealer facility must be within a 40 mile radius of 869 Massachusetts Avenue, Arlington, MA.

| <u>Body Specifications</u> | <u>Minimum Bus Body & Chassis Specifications</u> | <u>Vehicle Specifications Bid On</u> (Indicate "same", "yes" or explain exception) |
|----------------------------|--|--|
| Barriers | (2) 39" passenger restraining barriers conforming to FMVSS 222 with kick plate, 45" high to match high back seats | <hr/> |
| Battery Box | Chassis mounted battery box with slide out tray | <hr/> |
| Body Panel | <u>Exterior</u> Full 20-gauge reeded side panels <u>Interior</u> 22-gauge Galvalume <u>TM</u> panels from belt line to seat rail | <hr/> <hr/> |
| Bumper | <u>Front</u> Chassis supplied <u>Rear</u> Full width of body and wrap around. Pressed deep concave steel. 3/16" thick x 9 3/4" high | <hr/> <hr/> |
| Color | <u>Exterior</u> National School Bus Chrome Yellow (high solids polyurethane) black wheels, window guard rail & rear bumper painted black <u>Interior</u> Light gray panels. All spray on & high-baked enamel flat black trim. | <hr/> <hr/> |
| Cowl Steps | Folding steps & painted handles on cowl for cleaning windshield. Pair | <hr/> |
| Defroster | Included with chassis air management system. | <hr/> |
| Door-Emergency | (2) glass type located center rear with slide bar lock, buzzer signal, recessed handle. <ul style="list-style-type: none">. 4" header pad upholstered with black 42 oz. Proform fire block material. Upper glass 622 sq. in.. Lower glass 398 sq. in.. Reflective marking - exterior. Interior light (red) at emergency door. Sliding door stop | <hr/> |

. Vandal lock

Vehicle Specifications Bid On

(Indicate "same", "yes" or
explain exception)

Body Specifications

Minimum Bus Body & Chassis Specifications

Door-Entrance

Electrically operated. Both leaves open outward.
. 4" header pad upholstered with black 42 oz. Proform fire
block material.
. Full length clear tempered glass

Vehicle Dimensions

Exterior door switch with keyed vandal lock
Interior height 78", interior width 90", exterior width 96"

Drip Molding

Continuous formed in exterior window header including
driver's window, entrance door and rear emergency door.

Electrical

Access Covers

Main body wiring harness is easily accessible by removing
molded covers over side sash.
Rear bulkhead electrical access.

Accessory Switch

100 Amp continuous duty solenoid relay activated by the
ignition switch on the chassis. With the ignition switch on,
the relay is activated which allows electrical current to pass
through to the body accessories and thereby reducing the amp
load on the ignition switch. With the ignition off, the relay is
inactive and no current is allowed to pass.

Circuit Protectors

Fuses

Multiplex Electrical System

Body harness integrated into chassis harness.

Switches

Rocker type, easily serviced

Wire Connectors

Packard insulators at wire connection

Wiring

Flame retardant

Wiring Harness

Main body harness that is color coded and numbered

Fenderettes

16-gauge metal fenderette extends 1 1/2" away from body
side sheet. Continuous from bottom skirt to bottom of skirt.

Floor Covering

1/8" gray smooth rubber under seats, wheelhouses, and
driver's area. 3/16" gray rubber ribbed aisle w/galvanized
steel aisle strips. Steps covered with ribbed gray rubber with
white nosing. Cove molding at side and rear walls, 2" white
standee line.

| <u>Body Specifications</u> | <u>Minimum Bus Body & Chassis Specifications</u> | <u>Vehicle Specifications Bid On</u> (Indicate "same", "yes" or explain exception) |
|----------------------------|---|---|
| Fuel Tank Opening | <u>Exterior</u> Spring loaded hinged door with latch <u>Interior</u> Access plate in floor for servicing | <hr/> <hr/> |
| Glass | Flat safety tempered bonded on sides and rear. All glass complies with FMVSS 205 and 217. (4) emergency push out windows (2 left, 2 right) with reflective markings, vertically hinged. ALL GLASS TINTED | <hr/> |
| Hand Rail | Stainless steel step handrail at entrance door. Mounted at top left side of entrance door stepwell and extending to top left side of seat barrier. Right side entrance handrail | <hr/> |
| Heater | Rear - 84,000 BTU under seat heater Stepwell - 52,000 BTU heater Front - (1) mounted beside driver rated at a minimum of 93,000 BTU's Fresh air type. Includes (2) heater shut-off valves in engine compartment. Heat booster pump | <hr/> |
| Insulation | 2" thermal bonded polyester fiber headlining, side and rear walls. (R value is 6.25) | <hr/> |
| Interior | Acoustic headlining first two ceiling panels. | <hr/> |
| Lettering | <u>Front and Rear</u> "SCHOOL BUS" 8" high x 1 1/4" stroke, maximum. Black block letters <u>Sides</u> ARLINGTON PUBLIC SCHOOLS Black block letters. <u>Rear Door</u> "EMERGENCY DOOR" approximately 2" high x 1/4". Black 6" x 1" arrow showing direction of handle turn | <hr/> <hr/> <hr/> <hr/> |
| Lights | <u>Back-Up/Stop/Tail</u> Sealed, horizontally mounted stop/tail, amber turn and LED <u>Cluster</u> (3) Amber w/metal protective shields (3) Red rear w/shields LED <u>Directional</u> 7" round plain amber at rear. (1) right and (1) left. Side directionals. LED <u>Dome</u> Complies with FMVSS 108. | <hr/> <hr/> <hr/> <hr/> |

| <u>Body Specifications</u> | <u>Minimum Bus Body & Chassis Specifications</u> | <u>Vehicle Specifications Bid On</u> (Indicate "same", "yes" or explain exception) |
|----------------------------|--|---|
| Lights (cont.) | <u>Marker</u> (2) front side corners, (2) rear side corners, (2) amid ship side roof. Smaller size units have (4) corners only. <u>LED</u> <u>Stepwell</u> (1) operating w/ignition and interior dome light switch <u>Emergency</u> 8 lamp non-sequential warning light system with 16 lamp deluxe monitor. | <hr/> <hr/> <hr/> |
| Mirrors | <u>Interior</u> 6" x 30" safety glass with edges protected with rubber. <u>Exterior</u> (2) Duo-Style (Euro-Style) HEATED-REMOTE <u>Crossview</u> (2) quadrispherical crossview to comply with FMVSS 111 HEATED Front and rear | <hr/> <hr/> <hr/> <hr/> |
| Mud Flaps | (1) 4 1/4" applied below windows and extends around rear corners. (1) 4 1/4" applied at seat cushion level and extends around rear corners. (1) 4 1/4" applied at floor level. (1) 4 1/4" applied at skirt bottom. (2) 2 15/16" applied at roof extending length of passenger compartment, internally (1) Bottom rail | <hr/> <hr/> <hr/> <hr/> |
| Rails - Guard | (6) round reflectors (2) each side and (2) rear | <hr/> |
| Reflectors | Primer applied to both sides of all painted panels prior to assembly. | <hr/> |
| Rust proofing | <u>Driver's</u> Bostrom Routemaster driver's seat with 5 position tilt and fore and aft and weight adjustment. Wolf black upholstery with cloth insert. HEATED DRIVERS SEAT Seat belt includes 3 point lap/shoulder belt, black, emergency locking retractor, web sensitive, 175" belt, push-button buckle, meets FMVSS 209 and 302 specifications. AIR SUSPENSION WITH DUAL ARM RESTS <u>Passenger Seating FMVSS 222</u> 12 - 39" restraining seats right side with color coded seat belts 11 - 39" restraining seats left side with color coded seat belts 1 -26" restraining seat left side with color coded seat belts | <hr/> <hr/> <hr/> <hr/> |
| Seats | | |

Vehicle Specifications Bid On

(Indicate "same", "yes" or
explain exception)

Body Specifications**Minimum Bus Body & Chassis Specifications**

| | |
|--------------------|---|
| Stepwell | 3 - step black rubber with white nosing bonded to 22 gauge steel backing and applied to steps. Diamonette trim on floor edge |
| Storage | <u>Overhead Storage Compartment</u> Located over windshield with quick release latches. |
| Sun Visor | 6" x 30" plastic with finished edge. Mounted to windshield header in metal retainment track. |
| Undercoating | Floor, skirts, and wheelhouses with asphalt emulsion water based material or equal. |
| Ventilator | Static exhaust located in top front roof. |
| Windows | <u>Driver's</u> Double sliding sash w/latch. Tempered glass. Composite construction of non bonded corrosive material. |
| | <u>Side Windows</u> Bonded split sash, with tempered glass. 12" window opening. ALL GLASS TINTED |
| Windshield | One piece bonded curved windshield. |
| Windshield Washers | (2) electric, approximately one gallon capacity. |
| Windshield Wipers | (2) electric bottom mounted heavy duty motors with 2 speeds. Heavy duty wet arm wipers. INTERMITTENT |
| Wiring | Color coded and numbered in molding above left and right windows with main wiring down left side. |
| Safety Equipment | Reflective triangles 5 lb. ABCD fire extinguisher (2) chock blocks - rubber 24 unit first aid kit Body fluid clean up kit Backup alarm Electric stop arm with flashing lights (2) Roof escape/ventilation hatches and (4) emergency push out windows. Reflective tape 2" @ floorline and rear perimeter |
| Radio | AM-FM/CD with P.A. |
| Cameras | Pro-Vision Entrance door,forward exterior,front,rear,and Dual Lense stop arm camera |
| Cup Holders | Drivers area cup holder |

Air Conditioning 126,000 BTU Air conditioning,front and rear bulkhead mounted

Vehicle Specifications Bid On
(Indicate "same", "yes" or
explain exception)

Chassis Specifications **Minimum Bus Body & Chassis Specifications**

| | | |
|--------------------|--|--|
| Wheelbase | 259" maximum | |
| Frame | 10.8 section modulus. 110.000 PSI | |
| Engine | 220 H.P. 6 cylinder turbocharged diesel. (NO EXCEPTIONS) Must meet 2010 emission standards. | |
| Steering | Tilt telescoping | |
| Transmission | Allison 2500 series automatic or equal. | |
| Rear Axle | 23,000 lb. capacity minimum geared appropriately for 70 MPH. | |
| Rear Suspension | 21,000 lb. Air suspension | |
| Front Axle | 10,000 lb. capacity minimum | |
| Front Suspension | 10,000 lb. taper leaf springs | |
| Brakes | Hydraulic disc split system, ABS. Bendix AD-9 heated air dryer | |
| Tires | 10R22.5 - 14 Ply - Front 10R22.5 - 14 Ply - Mud & Snow Rear | |
| Wheels | 7.50 x 22.5, Hub piloted disc | |
| Chassis Hood | Non-reflective black | |
| Horns | Dual electric | |
| Turn Signals | Fender mounted | |
| Alternator | 200 Amp Leece Neville | |
| Batteries | 2 - 12 volt 2200 CCA minimum each | |
| Block Heater | 115 volt 750 watt | |
| Fuel Tank | 100 gallon mounted between the frame rails - rear or equivalent. | |
| Gauges | Manufacturer's standard gauge package including ammeter. | |
| Cruise Control | Electronic | |
| Diagnostics | SAE J1587/1708/1939 9-pin diagnostic connector under dash. | |
| Driver Info Center | Odometer/hourmeter/diagnostic display and 26 warning lights. | |
| Tow Hooks | Two front frame mounted tow hooks. | |

COMPANY: _____ **DATE:** _____

ADDRESS: _____ **TEL. #:** _____

AUTHORIZED SIGNATURE _____

DELIVERY DATE: _____